

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B26B19/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B26B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 369 294 A (WILLIAMSON JOHN G ET AL) 20 February 1968 (1968-02-20) column 3, lines 32-70 column 6, lines 4-48; figures 4,6	1-3, 5-10,23
X	US 4 549 352 A (OCHIAI MASAHICO ET AL) 29 October 1985 (1985-10-29) column 5, line 55 - column 6, line 6 column 7, lines 11-39 column 10, lines 11-24; figures 4,5,12	20
X	US 4 363 169 A (NASU SATARO ET AL) 14 December 1982 (1982-12-14) column 4, lines 9-26; figure 6	20
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

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L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

28 September 2004

Date of mailing of the international search report

06/10/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 442 596 A (IWANAGA KOUICHI ET AL) 17 April 1984 (1984-04-17) column 2, line 55 - column 3, line 3; figures 2,3 -----	1
A	US 5 909 928 A (BARISH BENJAMIN J) 8 June 1999 (1999-06-08) abstract; figure 2 -----	1
A	US 2 716 279 A (PETERSON ALBIN K) 30 August 1955 (1955-08-30) column 4, lines 27-58; figure 1 -----	1
A	DE 43 26 552 A (STEFFENS HEINTZ VERENA) 9 February 1995 (1995-02-09) abstract; figure 1 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

[B2004/050989]

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